

PDR RID Report

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Document PDR

RID ID	PDR	109
Review	FOS	
Originator Ref		ACK #10
Priority	2	

Section NA

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Figure Table NA

Category Name M&O

Actionee HAIS

Sub Category

Subject Anomalous SSR dum

Description of Problem or Suggestion:

SSR dump scheduling does not appear to realistically address missed or late TDRS contacts, potentially resulting in overflow for instrument buffers within the SSR.

Originator's Recommendation

Provide scenarios of several (e.g. 4 or more) consecutive orbits of missed TDRS contacts, without GN support available, indicating how the ground system design supports needed capabilities. How will the ground system autonomously detect and alert users to extended TDRS outages? How will it support workarounds for SSR data when unexpected TDRS outages occur in real-time or on short notice (e.g. during the active scheduling period)?

GSFC Response by:

GSFC Response Date

HAIS Response by: D. Herring

HAIS Schedule 2/3/95

HAIS R. E. B. Moore

HAIS Response Date 1/20/95

The PDR presentation SSR scenario addressed the situation of data drop-outs during the TDRS contact. The tools provided are the Real Time Analysis for determining if a dropout has occurred, the SSR Analysis Display for ascertaining SSR status and pointer positions, and the Timeline display for analyzing TDRS contacts and predicted buffer state. These tools will allow the FOT determine the best strategy for recovery from a data dropout and from missed TDRS contacts. The FOT will be able to re-schedule a TDRS contact and assess the operational impact of re-scheduling. CDR will also provide additional details and scenarios for SSR management and TDRS contact scheduling.

Status Closed

Date Closed 2/1/95

Sponsor Johns

***** Attachment if any *****